



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 101038,875  
Source: OPE  
Date Processed by STIC: 3/3/03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER  
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebs/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

# Raw Sequence Listing Error Summary

0198

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 101038,875
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 ____ Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 ____ Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 ____ Misaligned Amino Numbering	The numbering under each 5 <sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 ____ Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 ____ Variable Length	Sequence(s) ____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 ____ PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 ____ Skipped Sequences (OLD RULES)	Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped  Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 ____ Skipped Sequences (NEW RULES)	Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 ____ Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 ____ Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 ____ Use of <220>	Sequence(s) ____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 ____ PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 ____ Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.	



OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/038,895

DATE: 03/02/2003

TIME: 12:42:49

Input Set : D:\3379.1.ST25.txt

Output Set: N:\CRF4\03032003\J038895.raw

3 4110 APPLICANT: Kulp, David C.  
 4 Siani-Rose, Michael A.  
 5 Williams, Alan J.  
 6 Harmon, Cyrus L.

7 4120 TITLE OF INVENTION: Nucleic Acids Encoding G Proteins Coupled Receptors

10 4130 FILE REFERENCE: 3379.1

11 4140 CURRENT APPLICATION NUMBER: 10/038,895

12 4141 CURRENT FILING DATE: 2001-10-24

13 4150 PRIOR APPLICATION NUMBER: US 60/244,082

14 4151 PRIOR FILING DATE: 2000-10-26

15 4160 NUMBER OF SEQ ID NOS: 20

20 4170 SOFTWARE: Prentin version 3.2

21 4210 SEQ ID NO: 1

22 4211 LENGTH: 274

23 4212 TYPE: PRT

24 4213 ORGANISM: Synthetic

25 4214 FEATURE:

26 4215 NAME/KEY: misc\_feature

27 4216 LOCATION: (1..6)..(126)

28 4217 OTHER INFORMATION: Xaa can be any naturally occurring amino acid

29 4218 FEATURE:

30 4219 NAME/KEY: misc\_feature

31 4220 LOCATION: (146)..(146)

32 4221 OTHER INFORMATION: Xaa can be any naturally occurring amino acid

33 4300 SEQUENCE: 1

40 Leu Leu Ala Pro Thr Gly Ser Leu Phe Arg Asn Cys Thr Gln Asp Gly

41 1 5 10 15

44 Trp Ser Glu Thr Phe Pro Arg Pro Asn Leu Ala Cys Gly Val Asn Val

45 20 25 30

48 Asn Asp Ser Ser Asn Glu Lys Arg Ser Tyr Leu Leu Lys Leu Lys Val

49 35 40 45

52 Met Tyr Thr Val Gly Tyr Ser Ser Ser Leu Val Met Leu Leu Val Ala

53 50 55 60

56 Leu Gly Ile Leu Cys Ala Phe Arg Arg Leu His Cys Thr Arg Asn Tyr

57 65 70 75 80

60 Ile His Met His Leu Phe Val Ser Phe Ile Leu Arg Ala Leu Ser Asn

61 85 90 95

64 Phe Ile Lys Asp Ala Val Leu Phe Ser Ser Asp Asp Val Thr Tyr Cys

65 100 105 110

W--> 68 Asp Ala His Arg Gly Cys Lys Leu Val Met Val Leu Phe Xaa Tyr Cys

69 115 120 125

72 Ile Met Ala Asn Tyr Ser Trp Leu Leu Val Glu Gly Ser Thr Phe Thr

73 130 135 140

The type of errors shown exist throughout  
 the Sequence Listing. Please check subsequent  
 sequences for similar errors

- invalid response, see error summary  
 sheet item 10

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/038,895

DATE: 03/03/2003

TIME: 12:42:49

Input Set : D:\3379.1.ST25.txt

Output Set: N:\CRF4\03032003\J038895.raw

```

76 His Xaa Leu Ala Ile Ser Phe Phe Ser Glu Arg Lys Tyr Leu Gln Gly
77 145 150 155 160
80 Phe Val Ala Phe Gly Trp Gly Ser Pro Ala Ile Phe Val Ala Leu Trp
81 165 170 175
84 Ala Ile Ala Arg His Phe Leu Glu Asp Val Gly Cys Trp Asp Ile Asn
85 180 185 190
88 Ala Asn Ala Ser Ile Trp Trp Ile Ile Arg Gly Pro Val Ile Leu Ser
89 195 200 205
91 Ile Leu Asn Phe Ile Leu Phe Ile Asn Ile Leu Arg Ile Leu Met Arg
92 210 215 220
95 Lys Leu Arg Thr Gln Glu Thr Arg Gly Asn Glu Val Ser His Tyr Lys
96 225 230 235 240
100 Arg Leu Ala Arg Ser Thr Leu Leu Leu Ile Pro Leu Phe Gly Ile His
101 245 250 255
104 Tyr Ile Val Phe Ala Phe Ser Pro Glu Asp Ala Met Glu Ile Gln Leu
105 260 265 270
108 Phe Phe

```

112 &lt;.10&gt; SEQ ID NO: 2

113 &lt;.11&gt; LENGTH: 331

114 &lt;.12&gt; TYPE: DNA

115 &lt;.13&gt; ORGANISM: Synthetic

116 &lt;.400&gt; SEQUENCE: 2

```

118 atcttggcaac ccacagtttc cttgttccga aactgcacac aggatggctg gtcagaaacc 60
119 tttccacagga ctatcttggc ctgtggcggt aatgtgiaac actcttccaa cgagaagcgg 120
120 cctctctatc tgccttgct gaaagtcacg tacacgttgg gctacagctc ctccctgggc 140
121 tgcctctggc tgccttgg cctctctgt gctttccgga ggcctccactg cactgcaaac 160
122 tgcctccaca tgcacgttc cgtgtccctc atccttctgt cctgtccaa cttcatcaag 180
123 gctccctggc tctctctc agatgatgc acctactgg atgcacacag ggcggcgtgc 200
124 agcgggtca tgccttgc c
125 <.10> SEQ ID NO: 3
126 <.11> LENGTH: 447
127 <.12> TYPE: DNA
128 <.13> ORGANISM: Synthetic
129 <.20> FEATURE:
130 <.21> NAME/KEY: misc_feature
131 <.22> LOCATION: (53)..(53)
132 <.23> OTHER INFORMATION: n is a, c, g, or t
133 <.400> SEQUENCE: 3

```

```

W--> 145 tactgcatca tggccaacta ctcttggtct ctggtggaag gctctacctt cacacatntc 60
147 cctcccatct cctctctctc tgaagaaaag tacctccagg gatttctggc attcgcatgg 120
148 gattctccag cctcttctgt tgccttctgg gctattgcca gacacttctt ggaagatgtt 140
149 ggcgtctgg acatcaatgc caacgcacac atctggttga tcatctgtgg cctctgtgatc 160
150 cctcccatct tgaatattt cctctctctc ataaacatc taagaatcct gatgagaaaa 180
151 cttagaaccc aagaacaag aggaatgaa gtcagccatt ataagcgcct ggccaggtcc 200
152 attctctg tcatccct ctttggcatc cactacatcg tcttgcctt cttccacagag 220
153 gacatctgg agatccagct gttttt
154 <.10> SEQ ID NO: 4
155 <.11> LENGTH: 828
156 <.12> TYPE: LNA

```

## RAW SEQUENCE LISTING

DATE: 03/03/2003

PATENT APPLICATION: US/10/038,895

TIME: 12:42:49

Input Set : D:\3379.1.ST25.txt

Output Set: N:\CRF4\03032003\J038895.raw

```

165 <213> ORGANISM: Synthetic
166 <220> FEATURE:
167 <221> NAME/KEY: misc_feature
168 <222> LOCATION: (439)..(439)
169 <223> OTHER INFORMATION: n is a, c, g, or t
170 <400> SEQUENCE: 4
171 atcttgccac ccacagtttc ctgtgtccga aactgcacac aggatggctg gtcagaaacc 60
172 atccacagga ctatctgggc ctgtggcgtt aatgtgaacg actcttccaa cgagaagg 120
173 caactctaac tgatgaigt gaaagtcatg tacaccgtag gctacagctc ctccctggtc 180
174 atgctccagg tgcctctgg catccctcgt gctttccgga ggcctcactg cactcgcac 240
175 caacacacaa tgcacaggt cgtgtccctt tctcttcgtg cctcgtccaa ctccatcaag 300
176 gaagccctgc cctctctcct agatgaagtc tctactgag atgcacacag ggcggggctg 360
177 aagctggtca tgcgtggtt ctactgcata atggcacaat actcctgggt gctgggtgaa 420
W--> 188 ggctctacct tcacacatnt cctcgccttc tctttcttct ctgaaagaaa gtacctccag 480
189 agatctctgg cctcgtgtag gggctctcca gccattttg ttgcttctgt ggtctattgc 540
190 agacaccttc tgaagtggt tgggtgctgg cacatcaatg caaacgcata cctctggtgg 600
191 atcatttggt gctctgcat cctctccata ctgattaat tcatctctt cctaaacatt 660
192 ctacacctcc tcatgaaaa acttgaaccc caagaaacaa gaggaaatga agtcagccat 720
193 tataagggcc tgcacagtc cactctcctg ctgatccccc tctttggcat ccactacatc 780
200 atcttccctt tctccacaga ggaagctatg agatccaga tgtttttt 828
201 <210> SEQ ID NO: 5
202 <211> LENGTH: 320
203 <212> TYPE: PRT
204 <213> ORGANISM: Synthetic
205 <400> SEQUENCE: 5
206 Pro Thr Phe Ile Leu Phe Ser Phe Gln Pro Gly Asp Lys Arg Thr Lys
207 1 5 10 15
208 His Ile Cys Val Tyr Trp Glu Gly Ser Glu Gly Gly His Trp Ser Thr
209 20 25 30
210 Ala Gly Cys Ser His Val His Ser Asn Gly Ser Tyr Thr Lys Cys Lys
211 35 40 45
212 Cys Phe His Leu Ser Ser Phe Ala Val Leu Val Ala Leu Ala Pro Lys
213 50 55 60
214 Asp Pro Val Leu Thr Val Ile Thr Gln Val Gly Leu Thr Ile Ser Leu
215 65 70 75 80
216 Leu Cys Leu Phe Leu Ala Ile Leu Thr Phe Leu Leu Cys Arg Pro Ile
217 85 90 95
218 Gln Asn Thr Ser Thr Ser Leu His Leu Glu Leu Ser Leu Cys Leu Phe
219 100 105 110
220 Leu Ala His Leu Leu Phe Leu Thr Gly Ile Asn Arg Thr Glu Pro Glu
221 115 120 125
222 Leu Cys Ser Ile Ile Ala Gly Leu Leu His Phe Leu Tyr Leu Ala Cys
223 130 135 140
224 Phe Thr Trp Met Leu Leu Glu Gly Leu His Leu Phe Leu Thr Val Arg
225 145 150 155 160
226 Asn Leu Lys Val Ala Asn Tyr Thr Ser Thr Gly Arg Phe Lys Lys Arg
227 165 170 175
228 Phe Met Tyr Pro Val Gly Tyr Gly Ile Pro Ala Val Ile Ile Ala Val
229 180 185 190

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/038,895

DATE: 03/03/2003

TIME: 12:41:49

Input Set : D:\3379.1.ST25.txt

Output Set: N:\CRF4\03032003\J038895.raw

```

259 Ser Ala Ile Val Gly Pro Gln Asn Tyr Gly Thr Phe Thr His Cys Trp
260      195      200      205
261 Leu Lys Leu Asp Lys Gly Phe Ile Tsp Ser Phe Met Gly Pro Val Ala
262      210      215      220
263 Val Ile Ile Leu Asn Leu Val Phe Tyr Phe Gln Val Leu Trp Ile Leu
264      225      230      235      240
265 Arg Ser Lys Leu Ser Ser Leu Asn Lys Glu Val Ser Thr Ile Gln Asp
266      245      250      255
267 Thr Arg Val Met Thr Phe Lys Ala Ile Ser Gln Leu Phe Ile Leu Gly
268      260      265      270
269 Cys Ser Trp Gly Leu Gly Phe Phe Met Val Glu Glu Val Gly Lys Thr
270      275      280      285
271 Ile Gly Ser Ile Ile Ala Tyr Ser Phe Thr Ile Ile Asn Thr Leu Gln
272      290      295      300
273 Gly Val Leu Leu Phe Val Val His Cys Leu Leu Asn Arg Gln Val Arg
274      305      310      315      320

```

100 &lt;10&gt; SEQ ID NO: 6

101 &lt;11&gt; LENGTH: 969

102 &lt;12&gt; TYPE: DNA

103 &lt;13&gt; ORGANISM: Synthetic

104 &lt;400&gt; SEQUENCE: 6

```

106 cccattttta taaatatttc ttccagactt agtgacaaga gaacaaaaca tatctgtgtc      60
108 taactgggag gatcagaggg aggcacactgg tccacaggagg gctgctctca tctgacacagc      120
110 taaggtttct acacaaatg caagtgttcc tatctgttcc gctttgacct cctcgtggtc      180
112 attgtcccca agnaggagccc tgtgttgacc ctgatcacc aggtggggct gaacatctct      240
114 ctgggtggcc tcctctggc cactctcacc tctctctgt gcgggacct ccagaaacac      300
116 aacactcccc tcaatctaga gctctcctc agctcttcc tggccacct cctgttctctg      360
118 agggactat caacagaactga gctgaggtg ctgtgtctca tcatggcagg gctgctgac      420
120 ttctctacc tgtttgtt cactggatg ctctgggaag ggtgacct cttctcacc      480
122 ttcaggaaac tcagggtgg caactacacc agcacgggca gattcaagaa gaggttcacg      540
124 taactgttag gtaacgggat cccagctgtg attattgtgt tctcagcaat agttggaccc      600
126 cagattatg gacatttac tcactgttgg ctcaagcttg ataaaggatt catctggagc      660
128 ttcagggggc cactagagat cattatcttg ataaaacctg tcttctactt ccaagttctg      720
130 aggttttga gaggcaact ttctctctc ataaaagaag ttccacctat tcaggacacc      780
132 aaactcatga catctaaagc catttccag ctatttatcc tgggtgttgc ttggggcctt      840
134 gctttttta tgtttgaga agtagggag acgattggat caatcattgc atactcattc      900
136 aactcattca acacccctca gggagtgttg ctctttgttg tacaatgtct ccttaatgc      960
138 caggttaagg

```

101 &lt;10&gt; SEQ ID NO: 7

102 &lt;11&gt; LENGTH: 117

103 &lt;12&gt; TYPE: PRT

104 &lt;13&gt; ORGANISM: Synthetic

105 &lt;400&gt; SEQUENCE: 7

```

139 Gln His Ser Asp Ala Val His Asp Leu Leu Leu Asp Val Ile Thr Trp
140      5      10      15
141 Val Gly Ile Leu Leu Ser Leu Val Cys Leu Leu Ile Cys Ile Phe Thr
142      20      25      30
143 Phe Cys Phe Phe Arg Gly Leu Gln Ser Asp Arg Asn Thr Ile His Lys
144      35      40      45

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/038,895

DATE: 03/03/2003

TIME: 12:42:49

Input Set : D:\3379.1.ST25.txt

Output Set: N:\CRF4\03032003\J038895.raw

```

350 Asn Leu Cys Ile Ser Leu Phe Val Ala Glu Leu Leu Phe Leu Ile Gly
361      50      55      60
364 Ile Asn Arg Thr Asp Gln Pro Ala Cys Ala Val Phe Ala Ala Leu Leu
365 65      70      75      80
368 His Phe Phe Phe Leu Ala Ala Phe Thr Trp Met Phe Leu Glu Gly Val
369      85      90      95
372 Gln Leu Tyr Ile Met Leu Val Glu Val Phe Glu Ser Glu His Ser Arg
373      100      105      110
376 Arg Lys Tyr Phe Tyr Leu Val Gly Tyr Gly Met Pro Ala Leu Ile Val
377      115      120      125
380 Ala Val Ser Ala Ala Val Asp Tyr Arg Ser Tyr Gly Thr Asp Lys Val
371      130      135      140
374 Cys Trp Leu Arg Leu Asp Thr Tyr Phe Ile Trp Ser Phe Ile Gly Pro
375 145      150      155      160
378 Ala Thr Leu Ile Ile Met Asn Val Ile Phe Leu Gly Ile Ala Leu Tyr
379      165      170      175
382 Lys Met Phe His His Thr Ala Ile Leu Lys Pro Glu Ser Gly Cys Leu
383      180      185      190
386 Asp Asn Ile Lys Leu Lys Ile Asn Ile Pro Ile Ile Lys Ser Ile Tyr
387      195      200      205
390 Ile Tyr Met Tyr Ile Cys Met Cys Val
391      210      215

```

394 &lt;210&gt; SEQ ID NO: 1

395 &lt;211&gt; LENGTH: 657

396 &lt;212&gt; TYPE: DNA

397 &lt;213&gt; ORGANISM: Synthetic

398 &lt;400&gt; SEQUENCE: 8

```

400 cagcacagtg atgagggtcca tgacctcctt ctggatgtga tcacgtgggt tggaaatttg      60
401 cagtcacctg ttgtatcct gatttgcatc tccacatttt gctttttccg ggggtccag      120
402 atgacccgta acacacacca caagaacctc tgcacagtc tctttgtagc agagctgctc      180
403 tctctggttg ggtcaccccg aactgaccaa ccaattgctt gtgctgtttt cgttgccctg      240
404 ttaatttttt tctcttggc tgccttcacc tggatgttcc tggagggggt gcagctttat      300
405 atcatgctgg tggaggttt tgagagtgaa cattcacgta ggaaatactt tttctggtc      360
406 tcttatggga tgcctgcaat cattgtggct gtgtcagctg cagttagacta caggagttat      420
407 ggaacagata aagttatgtt gctccgaatt gacacctact tcatttggag ttttatagga      480
408 ccagcacctt tgcataatat gcttaangta atcttccttg ggattgcttt atataaaaatg      540
409 tttcaccata ctctataact gaaaccggaa tcaggtgtgc ttgataacat caagttaaaaa      600
410 ataatatttc caatataaaa atctatatat atctatatgt atatatgcac gtgtgttg      657

```

413 &lt;100&gt; SEQ ID NO: 2

414 &lt;211&gt; LENGTH: 304

415 &lt;212&gt; TYPE: PRT

416 &lt;213&gt; ORGANISM: Synthetic

417 &lt;400&gt; SEQUENCE: 3

```

420 Gly Asn Val Ala Val Ala Phe Val Tyr Tyr Lys Ser Ile Gly Pro Leu
421 1      5      10      15
424 Leu Ser Ser Ser Asp Asn Phe Leu Leu Lys Pro Gln Asn Tyr Asp Asn
425      20      25      30
428 Ser Glu Glu Glu Glu Arg Val Ile Ser Ser Val Ile Ser Val Ser Met
429      35      40      45

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/038,895

DATE: 03/03/2003  
TIME: 12:42:50

Input Set : D:\3379.1.ST25.txt  
Output Set: N:\CRF4\03032003\J038895.raw

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 126,146  
Seq#:3; N Pos. 58  
Seq#:4; N Pos. 439  
Seq#:19; Xaa Pos. 370



## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/038,895

DATE: 03/03/2003

TIME: 12:42:50

Input Set : D:\3379.1.ST25.txt

Output Set: N:\CRF4\03032003\J038895.raw

L:68 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:112  
M:341 Repeated in SeqNo=1  
L:145 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:188 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:420  
L:1530 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:368